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## Claim\_Amendments

This listing of the claims will replace all prior versions, and listings, of claims in the application:

Claim 1 (currently amended): A security module for use with a terminal, comprising

a data interface adapted to be coupled to a terminal, for receiving at least one of part of an algorithm code or of and the complete algorithm code from the terminal, with the algorithm code concerning a processing of secrets[[,]];

an energy a power interface for receiving supply energy power from the terminal;

a volatile memory for storing the one of the part of the algorithm code or and the complete algorithm code received via the data interface, said volatile memory being coupled to the energy power interface in order to have energy power supplied thereto such that the same said volatile memory will be cleared upon an interruption of the receipt of the supply energy power from the terminal; and

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a processor for performing the algorithm code in order to
obtain an algorithm code result that can be delivered to the
terminal.

Claim 2 (currently amended). A security module according to claim 1, wherein the data interface is adapted to receive only the part of the algorithm code, the security module further comprising:

a non-volatile memory in which the non received a remainder of the algorithm code is stored along with the received part of the algorithm code for forming the complete algorithm code.

Claim 3 (original): A security module according to claim 1, further comprising:

a means for performing an authentication between the terminal and the security module.

Claim 4 (currently amended): A security module according to any of claim 1, wherein the data interface is arranged to receive from the terminal said the one of the part of the algorithm code of and the complete algorithm code in encrypted form and/or and with a certificate, with the security module further comprising:

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a means for decrypting said the one of the part of the encrypted algorithm code or and the encrypted complete algorithm code; and

a means for examining the certificate and for preventing performing of the algorithm code if depending on examination of said certificate lacks genuineness.

Claim 5 (currently amended): A security module according to any of claim 1, wherein said data interface is adapted to receive only the part of the algorithm code, the security module further comprising:

a memory managing unit for controlling memory accesses of the processor, with the transferred part of the algorithm code containing addresses of the algorithm code.

Claim 6 (currently amended): A security module according to any of claim 1, further comprising:

a means for monitoring a predetermined security condition and for clearing the volatile memory if said predetermined security condition is fulfilled, with said security condition being selected from a plurality of conditions comprising an

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interruption, an irregularity and a fluctuation of the supply
voltage and of a system clock as well as of additional
operating parameters.

Claim 7 (currently amended): A security module according to any of claim 1, wherein the algorithm code comprises a program code selected for carrying out a task selected from a group comprising consisting of a symmetric cryptographic algorithm, an asymmetric cryptographic algorithm, an RSA algorithm, a cryptographic process according to the DES standard, an elliptic curve process and an access function for accessing a digital value stored on the security module as well as an access function for changing [[a]] the digital value stored on the security module.

Claim 8 (currently amended): A security module according to any of claim 1, wherein said data interface is adapted to receive only the part of the algorithm code, the part received of the algorithm code comprises comprising a start address of the algorithm code, memory addresses of computing components necessary for performing the algorithm code, or jump addresses of the algorithm code.

Claim 9 (currently amended): A security module according to any of claim 1, wherein the data interface is adapted to

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receive the one of the part of the algorithm code and the
complete algorithm code several times in different versions,
with the volatile memory is being arranged for storing a newly
received, altered part version of one of the part of the of
the algorithm code and the complete algorithm code ever such
that the stored previously received version of one of the part
of the algorithm code or the stored and the complete algorithm
code is overwritten.

Claim 10 (currently amended): A security module according to any of claim 1, wherein said security module is designed as a chip card.

Claim 11 (currently amended): A process for computing an algorithm code result using a security module, comprising the steps of:

receiving at least one of part of an algorithm code or and the complete algorithm code by means of an energy interface to a terminal, with the algorithm code concerning a processing of secrets;

volatile storing said storing the one of the part of the algorithm code or said and the complete algorithm code in a volatile memory of the security module, with the volatile

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memory being coupled to the energy interface, to be supplied
with energy power, such that the same volatile memory will be
cleared upon an interruption of the receipt of the supply
energy power from the terminal[[:]];

performing said algorithm code on the security module in order to obtain an algorithm code result; and

delivering said algorithm code result to the terminal, and

clearing said volatile memory upon an interruption of the receipt of the supply energy from the terminal.

Claim 12 (currently amended): A process according to claim

11, wherein said step of clearing comprises further comprising removing the security module from the terminal thereby causing an interruption of the receipt of the supply power to the volatile memory from the terminal and clearing said volatile memory upon interruption of the receipt of supply power from the terminal.

Claim 13 (currently amended): A terminal for use with a security module, comprising:

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a data interface adapted to be coupled to the security module,
for transmitting at least part of an algorithm code or the
complete algorithm code from the terminal to a volatile memory
of the security module and for receiving the an algorithm
code result from the security module, with the algorithm code
concerning a processing of secrets; and

to the security module, with the volatile memory being supplied by the supply energy power, such that the same volatile memory will be cleared upon an interruption of the receipt of the supply energy power from the terminal,

with the terminal, for each communication operation between terminal and security module during one and the same communication operation with the security module, being designated adapted to, during a single one of the communication operations with the security module, send at least the part of the algorithm code or the complete algorithm code to the volatile memory of the security module; and,

subsequently, during the further communication process, after sending, receive the algorithm code result from the security module.

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Claim 14 (currently amended): A process for controlling
within a plurality of communication operations, a security
module using a terminal in order to obtain an algorithm code
result from the security module, with the process comprising
for each communication operation, performing the following
steps during ene and the same a single one of the
communication operation operations with the security module:

delivering supply energy power from the terminal to the security module;

complete algorithm code from the terminal to a volatile memory of the security module, with the algorithm code concerning a processing of secrets, with the volatile memory being supplied by the supply energy power, such that the same volatile memory will be cleared upon an interruption of the receipt of the supply energy power from the terminal; and

receiving the an algorithm code result from the security module.

Claim 15 (currently amended): A process for communication between a security module and a terminal, comprising the steps of:

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transferring at least one of part of an algorithm code or and the complete algorithm code from the terminal to the security module, with the algorithm code concerning a processing of secrets;

wolatile storing said storing the one of the part of the algorithm code or and said complete algorithm code in a volatile memory of the security module, with the volatile memory being supplied by the supply energy power, such that the same volatile memory will be cleared upon interruption of the receipt of the supply energy power from the terminal;

performing said algorithm code on the security module in order to obtain an algorithm code result;

delivering said algorithm code result to the terminal; and

clearing said volatile memory upon an interruption of the receipt of the supply energy power from the terminal.

Claim 16 (currently amended): A process according to claim 15, further comprising:

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repeated sequentially transferring of a plurality of different

versions of said the one of the part of the algorithm code or

and said complete algorithm code; and

sequentially storing the repeatedly transferred version the different versions of said the one of the part of the algorithm code or of and the complete algorithm code over the stored part of the algorithm code or over the complete stored algorithm code such that a respective previous version of the plurality of different versions of the one of the part of the algorithm code and the complete algorithm code is overwritten.

Claim 17 (new): A security module for use with a terminal, comprising:

a data interface adapted to be coupled to a terminal, for receiving a first part of an algorithm code from the terminal, with the algorithm code concerning a cryptographic processing of data;

a power interface for receiving supply power from the terminal;

a volatile memory for storing the first part of the algorithm code received via the data interface, said volatile memory

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being coupled to said power interface in order to have power
supplied thereto such that the volatile memory will be cleared
upon an interruption of the receipt of the supply power from
the terminal;

a non-volatile memory in which a second part of the algorithm code which is a non-received remainder the algorithm code is stored; and

a processor for performing the algorithm code in order to obtain cryptographically processed data that can be delivered to the terminal, wherein the first part of the algorithm code includes memory addresses of computing components necessary for performing the algorithm code, or jump addresses of the algorithm code pointing to partial routines of the algorithm code.